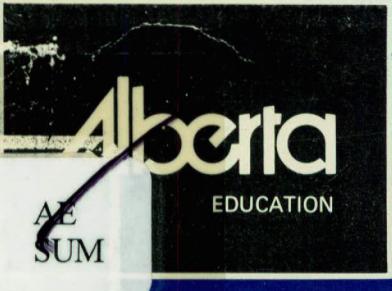


**A Summary of
Scheduled Instruction Times
for Prescribed Subjects
in Alberta Elementary Schools
1978 - 1979**



Field Services

A SUMMARY OF SCHEDULED INSTRUCTION TIMES
FOR
PRESCRIBED SUBJECTS
IN
ALBERTA ELEMENTARY SCHOOLS
1978-1979

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Prepared by
L. E. Symyrozum
November, 1979



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PREFACE

This summary and analysis of the data found on the Elementary Form B cards submitted for the 1978-79 school year to regional offices from schools offering instruction in the elementary grades was prepared by the Field Services Branch as an information document pursuant to a request made by the Minister of Education.

E. A. Torgunrud
Director of Field Services

ACKNOWLEDGEMENTS

A number of people have provided assistance in the preparation of this report and their contributions are gratefully acknowledged. Appreciation is extended to school principals and superintendents of schools for providing the information found on the Form B cards for the 1978-79 school year, as well as to coordinators of regional offices who assisted with the collection of the data. Thanks are extended to Miss J. McKinnon for the typing of this manuscript. An expression of special thanks is also due to Mrs. C. Prokop and Dr. D. M. Richards of the University of Alberta for assistance with the computer processing of the data.

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INTRODUCTION AND OUTLINE OF PROCEDURES USED
FOR ANALYSIS OF DATA

The purpose of this document is to summarize in statistical form the amount of scheduled instruction time which was devoted to prescribed elementary subjects in Alberta public and separate schools for the 1979-79 school year. The data were compiled from information found on Elementary School Program Organization Forms (Form B's) submitted to regional offices by school principals. In the case of one large urban system, a locally developed program form was used as the source of data for the study. A copy of the provincially developed Form B card is found in Appendix A. As a matter of note, this form is not a regulatory document, but rather one used for information purposes only by Alberta Education.

Analysis of Data

For purposes of analysis, public and separate schools were divided into seven regions using the service area of regional offices as the criterion, except in the case of the two largest urban centres where these were considered to be a separate region. The regional groupings are as follows:

- Region 1 - Grande Prairie
- Region 2 - Edmonton Rural
- Region 3 - Edmonton Rural
- Region 4 - Red Deer
- Region 5 - Calgary Rural
- Region 6 - Lethbridge
- Region 7 - Large Urban (Edmonton and Calgary)

The prescribed subjects outlined in the Program of Studies for Elementary Schools include those listed below:

- | | |
|-------------------|-----------------------|
| 1. Language Arts | 5. Health |
| 2. Mathematics | 6. Physical Education |
| 3. Social Studies | 7. Art |
| 4. Science | 8. Music |

Using minutes of instructional time per week as the unit of measurement, the following statistical measures were calculated to describe the data for each subject by grade:

- a. mean
- b. standard deviation
- c. median

SUMMARY OF SCHEDULED INSTRUCTION TIMES FOR
PRESCRIBED ELEMENTARY SUBJECTS ON A PROVINCIAL BASIS

Subject	Grade					
	1	2	3	4	5	6
Language Arts						
Mean	682	708	676	613	591	584
St. Dev.	117	102	95	89	70	91
Median	680	708	674	610	598	590
Mathematics						
Mean	219	241	251	255	255	255
St. Dev.	53	49	46	46	46	47
Median	215	230	248	250	250	244
Social Studies						
Mean	124	138	150	171	181	184
St. Dev.	61	60	56	52	49	35
Median	119	120	150	170	180	180
Science ^a						
Mean	83	92	100	117	124	127
St. Dev.	35	37	38	41	42	44
Median	80	90	90	113	120	120
Health ^a						
Mean	47	50	51	54	56	56
St. Dev.	26	32	32	32	33	34
Median	40	40	40	45	45	45
Physical Education						
Mean	91	93	95	97	100	102
St. Dev.	30	32	33	32	33	33
Median	90	90	90	90	90	90
Art						
Mean	69	70	70	71	72	72
St. Dev.	22	21	21	22	23	22
Median	60	62	65	65	67	68
Music						
Mean	68	68	69	70	71	72
St. Dev.	22	21	22	24	25	26
Median	60	60	60	60	60	62

Note: 1. ^a Excludes one large urban system.

2. Instruction is expressed in minutes per week.

SUMMARY OF SCHEDULED INSTRUCTION TIMES
FOR PRESCRIBED ELEMENTARY SUBJECTS ON A REGIONAL BASIS

Language Arts

1. Grade One

Region	N ^a	NR ^b	Mean	St. Dev.	Median
1	105	8	706	134	720
2	68	4	688	122	704
3	145	11	703	117	700
4	112	2	683	108	695
5	77	7	739	133	760
6	142	16	712	115	718
7	332	9	638	95	655
Total Sample	981	57	682	117	680

2. Grade Two

Region	N	NR	Mean	St. Dev.	Median
1	105	8	705	100	720
2	68	4	695	102	720
3	145	11	716	101	720
4	110	4	691	88	698
5	72	12	722	111	745
6	139	19	717	101	715
7	333	8	707	107	690
Total Sample	972	66	708	102	708

- Note: 1. ^a Designates the total number of schools included in the study.
2. ^b Indicates the number of schools not reporting a specific instruction time for a particular subject area.

Language Arts (Continued)

3. Grade Three

Region	N	NR	Mean	St. Dev.	Median
1	105	8	667	92	670
2	68	4	666	103	668
3	144	12	684	105	690
4	109	5	665	83	674
5	77	7	698	106	710
6	138	20	679	96	675
7	333	8	675	92	660
Total Sample	974	64	676	95	674

4. Grade Four

Region	N	NR	Mean	St. Dev.	Median
1	104	9	619	81	630
2	69	3	594	80	600
3	142	14	626	110	625
4	111	3	610	78	600
5	75	9	651	92	645
6	139	19	621	110	606
7	332	9	598	73	600
Total Sample	972	66	613	89	610

5. Grade Five

Region	N	NR	Mean	St. Dev.	Median
1	103	10	589	87	595
2	68	4	581	75	585
3	140	16	608	111	606
4	108	6	577	84	570
5	74	10	626	96	640
6	135	23	596	112	600
7	329	12	582	70	590
Total Sample	957	81	591	90	598

Language Arts (Continued)

6. Grade Six

Region	N	NR	Mean	St. Dev.	Median
1	104	9	588	81	592
2	66	6	579	75	600
3	135	21	595	111	600
4	110	4	572	80	572
5	73	11	604	116	610
6	138	20	591	114	584
7	74	12	574	74	585
Total Sample	955	83	584	91	590

Mathematics

1. Grade One

Region	N	NR	Mean	St. Dev.	Median
1	105	8	229	50	225
2	68	4	214	33	200
3	145	11	223	47	219
4	112	2	234	49	225
5	77	7	241	70	225
6	142	16	230	63	225
7	333	8	200	46	200
Total Sample	982	56	219	53	215

2. Grade Two

Region	N	NR	Mean	St. Dev.	Median
1	105	8	245	48	235
2	68	4	223	34	218
3	145	11	233	43	225
4	110	4	249	52	230
5	72	12	239	67	225
6	139	19	249	54	240
7	333	8	241	46	240
Total Sample	972	66	241	49	230

Mathematics (Continued)

3. Grade Three

Region	N	NR	Mean	St. Dev.	Median
1	105	8	258	45	250
2	68	4	232	39	225
3	144	12	239	45	229
4	109	5	251	44	250
5	77	7	263	60	255
6	138	20	256	52	250
7	333	8	253	42	250
Total Sample	974	64	251	46	248

4. Grade Four

Region	N	NR	Mean	St. Dev.	Median
1	104	9	274	47	275
2	69	3	245	44	238
3	142	14	240	41	235
4	111	3	248	46	240
5	75	9	267	57	270
6	139	19	259	56	240
7	332	9	255	38	250
Total Sample	972	66	255	46	250

5. Grade Five

Region	N	NR	Mean	St. Dev.	Median
1	103	10	273	46	280
2	68	4	244	42	230
3	140	16	242	38	240
4	108	6	248	45	250
5	74	10	270	57	262
6	135	23	259	57	240
7	329	12	256	40	250
Total Sample	957	81	255	46	250

Mathematics (Continued)

6. Grade Six

Region	N	NR	Mean	St. Dev.	Median
1	104	9	274	47	280
2	66	6	241	45	226
3	135	21	242	42	235
4	110	4	248	45	245
5	73	11	274	62	275
6	138	20	257	58	240
7	329	12	253	38	250
Total Sample	955	83	255	47	244

Social Studies

1. Grade One

Region	N	NR	Mean	St. Dev.	Median
1	104	9	128	44	125
2	68	4	125	42	125
3	143	13	121	43	120
4	111	3	122	38	120
5	73	11	126	46	120
6	142	16	102	42	90
7	321	20	132	85	95
Total Sample	962	76	124	61	119

2. Grade Two

Region	N	NR	Mean	St. Dev.	Median
1	105	8	135	40	135
2	68	4	133	38	150
3	145	11	123	42	120
4	109	5	132	39	125
5	70	14	133	44	125
6	139	19	114	44	106
7	332	9	159	80	150
Total Sample	968	70	138	60	120

Social Studies (Continued)

3. Grade Three

Region	N	NR	Mean	St. Dev.	Median
1	104	9	151	36	150
2	68	4	144	36	150
3	144	12	136	45	136
4	108	6	139	36	140
5	77	7	145	50	142
6	138	20	133	45	120
7	333	8	169	72	150
Total Sample	972	66	150	56	150

4. Grade Four

Region	N	NR	Mean	St. Dev.	Median
1	104	9	168	39	170
2	69	3	160	38	160
3	142	14	160	45	160
4	110	4	163	34	165
5	75	9	165	51	170
6	139	19	160	45	160
7	332	9	188	62	195
Total Sample	971	67	171	52	170

5. Grade Five

Region	N	NR	Mean	St. Dev.	Median
1	104	9	177	38	180
2	68	4	168	39	164
3	140	16	167	42	169
4	107	7	177	33	179
5	74	10	177	51	178
6	135	23	172	46	178
7	329	12	197	57	200
Total Sample	957	81	181	49	180

Social Studies (Continued)

6. Grade Six

Region	N	NR	Mean	St. Dev.	Median
1	104	9	179	37	180
2	66	6	172	41	175
3	135	21	174	44	176
4	109	5	181	40	180
5	73	11	180	48	180
6	138	20	171	45	177
7	329	12	201	55	210
Total Sample	954	84	184	49	180

Science

1. Grade One

Region	N	NR	Mean	St. Dev.	Median
1	103	10	98	33	100
2	66	6	96	32	90
3	143	13	85	32	80
4	108	6	102	36	90
5	68	16	80	26	75
6	139	19	76	31	70
7	191	28	63	37	60
Total Sample	818	98	83	36	80

2. Grade Two

Region	N	NR	Mean	St. Dev.	Median
1	105	8	103	29	103
2	66	6	101	35	94
3	145	11	90	32	85
4	109	5	110	36	105
5	65	19	88	26	90
6	139	19	84	32	80
7	198	21	82	45	66
Total Sample	827	89	92	37	90

Science (Continued)

3. Grade Three

Region	N	NR	Mean	St. Dev.	Median
1	104	9	114	33	110
2	65	7	111	33	110
3	143	13	99	35	90
4	107	7	122	36	120
5	71	13	91	26	90
6	138	20	94	32	90
7	197	22	86	45	71
Total Sample	825	91	100	38	90

4. Grade Four

Region	N	NR	Mean	St. Dev.	Median
1	104	9	128	38	125
2	68	4	126	30	120
3	140	16	119	41	120
4	110	4	144	36	150
5	68	16	106	29	104
6	139	19	110	35	106
7	196	23	100	46	90
Total Sample	825	91	117	41	113

5. Grade Five

Region	N	NR	Mean	St. Dev.	Median
1	104	9	133	36	126
2	68	4	133	36	120
3	138	18	123	39	120
4	108	6	154	32	150
5	66	18	122	41	118
6	135	23	119	43	115
7	196	23	104	42	90
Total Sample	815	101	124	42	120

Science (Continued)

6. Grade Six

Region	N	NR	Mean	St. Dev.	Median
1	104	9	135	36	128
2	65	7	136	37	123
3	134	22	127	41	120
4	109	5	154	35	150
5	64	20	136	48	120
6	138	20	124	42	120
7	194	25	105	44	90
Total Sample	808	108	124	44	120

Health

1. Grade One

Region	N	NR	Mean	St. Dev.	Median
1	92	21	43	15	40
2	63	9	46	18	40
3	139	17	47	20	40
4	86	28	48	22	40
5	60	24	45	20	40
6	132	26	44	19	40
7	135	84	52	45	30
Total Sample	707	209	47	26	40

2. Grade Two

Region	N	NR	Mean	St. Dev.	Median
1	93	20	45	16	40
2	65	7	47	17	40
3	140	16	48	20	40
4	84	30	48	22	40
5	59	25	44	18	40
6	132	26	46	20	40
7	153	66	60	58	30
Total Sample	726	190	50	32	40

Health (Continued)

3. Grade Three

Region	N	NR	Mean	St. Dev.	Median
1	94	19	46	18	40
2	62	10	45	16	40
3	139	17	52	21	45
4	82	32	50	22	40
5	65	19	47	18	40
6	133	25	48	19	45
7	151	68	63	58	40
Total Sample	726	190	51	32	40

4. Grade Four

Region	N	NR	Mean	St. Dev.	Median
1	93	20	44	15	40
2	64	8	46	18	40
3	134	22	55	21	54
4	81	33	54	23	50
5	63	21	51	20	45
6	130	28	54	20	55
7	149	70	66	58	45
Total Sample	714	202	54	32	45

5. Grade Five

Region	N	NR	Mean	St. Dev.	Median
1	92	21	45	16	40
2	66	6	50	20	40
3	130	26	54	20	50
4	79	35	56	26	55
5	61	23	53	20	50
6	121	37	55	21	54
7	145	74	68	58	45
Total Sample	694	222	56	33	45

Health (Continued)

6. Grade Six

Region	N	NR	Mean	St. Dev.	Median
1	92	21	46	17	40
2	64	8	48	19	40
3	123	33	54	21	50
4	81	33	58	30	45
5	57	27	51	22	41
6	126	32	57	22	60
7	138	81	70	58	50
Total Sample	681	235	56	34	45

Physical Education

1. Grade One

Region	N	NR	Mean	St. Dev.	Median
1	103	10	83	25	79
2	66	6	89	21	88
3	144	12	86	28	80
4	105	9	99	35	90
5	73	11	82	22	77
6	138	20	91	36	80
7	324	17	95	29	90
Total Sample	953	85	91	30	90

2. Grade Two

Region	N	NR	Mean	St. Dev.	Median
1	104	9	82	25	75
2	67	5	85	21	80
3	144	12	87	27	80
4	101	13	98	30	90
5	69	15	82	20	80
6	136	22	92	35	89
7	323	18	101	36	90
Total Sample	944	94	93	32	90

Physical Education (Continued)

3. Grade Three

Region	N	NR	Mean	St. Dev.	Median
1	104	9	83	22	80
2	66	6	90	25	82
3	143	13	89	29	80
4	101	13	103	37	90
5	74	10	83	22	80
6	135	23	95	35	90
7	323	18	102	36	90
Total Sample	946	92	95	33	90

4. Grade Four

Region	N	NR	Mean	St. Dev.	Median
1	103	10	85	22	80
2	67	5	94	27	90
3	139	17	92	29	87
4	105	9	103	30	90
5	72	12	86	21	85
6	135	23	96	34	90
7	322	19	105	36	90
Total Sample	943	95	97	32	90

5. Grade Five

Region	N	NR	Mean	St. Dev.	Median
1	103	10	87	24	80
2	67	5	98	30	90
3	136	20	93	31	85
4	100	14	109	33	100
5	72	12	92	28	89
6	131	27	99	35	90
7	319	22	107	36	90
Sample Total	928	110	100	33	90

Physical Education (Continued)

6. Grade Six

Region	N	NR	Mean	St. Dev.	Median
1	103	10	87	24	80
2	65	7	98	26	95
3	131	25	95	32	85
4	101	13	108	32	105
5	71	13	98	34	90
6	134	24	100	35	90
7	319	22	109	35	90
Total Sample	924	114	102	33	90

Art

1. Grade One

Region	N	NR	Mean	St. Dev.	Median
1	105	8	68	21	69
2	68	4	67	18	60
3	145	11	69	18	65
4	112	2	70	18	66
5	73	11	72	22	69
6	138	20	65	20	60
7	328	13	70	25	60
Total Sample	969	69	69	22	60

2. Grade Two

Region	N	NR	Mean	St. Dev.	Median
1	105	8	66	21	65
2	68	4	70	19	68
3	145	11	68	17	65
4	110	4	71	17	70
5	70	14	68	18	65
6	136	22	66	18	67
7	329	12	73	25	60
Total Sample	963	75	70	21	62

Art (Continued)

3. Grade Three

Region	N	NR	Mean	St. Dev.	Median
1	105	8	65	18	63
2	68	4	69	19	66
3	144	12	69	17	65
4	109	5	72	16	74
5	74	10	67	18	62
6	135	23	69	19	70
7	330	11	73	25	60
Total Sample	965	73	70	21	65

4. Grade Four

Region	N	NR	Mean	St. Dev.	Median
1	103	10	66	22	65
2	69	3	73	20	70
3	140	16	70	19	65
4	111	3	72	16	75
5	72	12	74	23	70
6	134	24	70	20	70
7	330	11	73	25	60
Total Sample	959	79	71	22	65

5. Grade Five

Region	N	NR	Mean	St. Dev.	Median
1	102	11	66	20	65
2	67	5	70	20	64
3	138	18	73	22	70
4	108	6	74	21	75
5	71	13	74	24	70
6	132	26	71	19	70
7	326	15	74	25	60
Total Sample	944	94	72	23	67

Art (Continued)

6. Grade Six

Region	N	NR	Mean	St. Dev.	Median
1	101	12	67	22	65
2	64	8	71	18	74
3	133	23	72	20	70
4	108	6	74	22	74
5	69	15	77	26	74
6	133	25	71	20	70
7	327	14	73	25	60
Total Sample	935	103	72	22	68

Music

1. Grade One

Region	N	NR	Mean	St. Dev.	Median
1	102	11	62	19	60
2	68	4	69	19	60
3	144	12	70	21	70
4	110	4	72	19	70
5	67	17	69	21	60
6	131	27	64	22	60
7	329	12	69	25	60
Total Sample	951	87	68	22	60

2. Grade Two

Region	N	NR	Mean	St. Dev.	Median
1	102	11	61	17	60
2	68	4	66	17	60
3	145	11	67	19	65
4	107	7	71	17	70
5	65	19	70	18	65
6	130	28	67	23	66
7	329	12	70	24	60
Total Sample	946	92	68	21	60

Music (Continued)

3. Grade Three

Region	N	NR	Mean	St. Dev.	Median
1	102	11	60	18	60
2	68	4	68	22	60
3	144	12	68	19	60
4	108	6	71	18	73
5	67	17	72	19	69
6	128	30	68	23	70
7	332	9	72	26	60
Total Sample	949	89	69	22	60

4. Grade Four

Region	N	NR	Mean	St. Dev.	Median
1	99	14	62	23	60
2	68	4	71	22	68
3	138	18	68	20	68
4	109	5	70	20	70
5	64	20	71	17	70
6	126	32	71	26	70
7	330	11	72	26	60
Total Sample	934	104	70	24	60

5. Grade Five

Region	N	NR	Mean	St. Dev.	Median
1	96	17	63	26	60
2	67	5	67	23	60
3	137	19	71	24	66
4	106	8	72	20	70
5	60	24	73	20	75
6	122	36	71	28	70
7	325	16	73	26	60
Total Sample	913	125	71	25	60

Music (Continued)

6. Grade Six

Region	N	NR	Mean	St. Dev.	Median
1	95	18	65	28	60
2	62	10	70	23	64
3	133	23	72	25	70
4	103	11	73	19	75
5	58	26	73	20	75
6	124	34	74	29	72
7	325	16	72	27	60
Total Sample	900	138	72	26	62

FORM B

ELEMENTARY SCHOOL PROGRAM ORGANIZATION FORM

School Year: 19__ - 19__

1. General Information

1.1 Name of School _____ 1.2 School Code _____

1.3 School Address _____ 1.4 Postal Code _____
_____ 1.5 Telephone _____1.6 School District, Division,
or County Name _____ No. _____1.7 Principal _____ 1.8 Superintendent
of Schools _____

1.9 Regional Office Coordinator _____

1.10 Pupil Enrolment

Grade	1	2	3	4	5	6	Special Education	Total
Enrolment								

1.11 No. of teachers in full-time equivalents
(including administration staff) _____1.12 Length of school day in minutes (exclusive
of noon and recess) _____1.13 Comments and special conditions. Briefly describe any special
features of the school's organization and/or program.

1.14 _____

Principal's Signature

Date

1.15 _____

Superintendent's Signature

Date

2. Program Information

- 2.1 Please record the following information in the table that follows:
- 2.1.1 The minimum number of minutes of time that is scheduled per week in each subject in each grade.
- 2.1.2 The maximum number of minutes of time that is scheduled per week in each subject in each grade.
- 2.1.3 The average amount of time scheduled in minutes per week for each subject within a grade calculated by the total of the amount of time scheduled per week in all classes in a subject in a grade and dividing by the total number of classes.
- 2.2 In those classes where there is a combination of grades, treat each grade and subject separately.
e.g. If mathematics in Grades 5 and 6 is taught concurrently for 200 minutes per week, then indicate Mathematics 5 for 200 minutes per week and Mathematics 6 for 200 minutes per week.
- 2.3 Where there is only one class per grade, record the information under the column headed "average."

Grade	Subject				Other
		* Language Arts	Mathematics	Social Studies	
One:	Minimum	/	/	/	
	Maximum	/	/	/	
	Average	/	/	/	
Two:	Minimum	/	/	/	
	Maximum	/	/	/	
	Average	/	/	/	
Three:	Minimum	/	/	/	
	Maximum	/	/	/	
	Average	/	/	/	
Four:	Minimum	/	/	/	
	Maximum	/	/	/	
	Average	/	/	/	
Five:	Minimum	/	/	/	
	Maximum	/	/	/	
	Average	/	/	/	
Six:	Minimum	/	/	/	
	Maximum	/	/	/	
	Average	/	/	/	

* Language Arts includes reading, spelling, and handwriting.

3. Instructional Staff

NAME	CERTIFICATE	DEGREE	TEACHING ASSIGNMENT
Surname, First, Initial	Highest Held	Status Int. or Perm.	Highest Grade Taught each Grade Level/ Special Assignment
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
13.			

Date Due

FEB 14 '80

371.24 Summary of scheduled instruction
A333 times for prescribed subjects
1979 in Alberta elementary schools
1978-79.